

FORM PTO-1449

Docket Number (Optional)  
81940.0067Application Number  
10/748,886

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

Applicant

KASAKO, et al.

Filing Date  
December 30, 2003Group Art Unit  
2655 2187

(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A.H.	6,587,935	07/01/03	OFEK	—	—	—
A.H.	6,457,109	09/24/02	MILILLO, et al.	—	—	—
A.H.	2004/0098547	05/20/04	OFEK, et al.	—	—	—
A.H.	2003/0229764	12/11/03	OHNO, et al.	—	—	—
A.H.	2003/0163553	08/28/03	KITAMURA, et al.	—	—	—
A.H.	2003/0105931	06/05/03	WEBER, et al.	—	—	—
A.H.	2004/0073831	04/15/04	YANAI, et al.	—	—	—

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

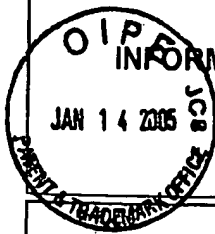
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

12/16/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
81940.0067

Application Number  
10/748,886

Applicant

KASAKO, et al.

Filing Date

December 30, 2003

Group Art Unit

2655 2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A.M.	6,101,497	08/08/00	OFEK	—	—	—
A.M.	5,155,845	10/13/92	BEAL, et al.	—	—	—
A.M.	6,098,129	08/01/00	FUKUZAWA, et al.	—	—	—
A.M.	6,209,002	03/27/01	GAGNE, et al.	—	—	—
A.M.	6,697,367	02/24/04	HALSTEAD, et al.	—	—	—
A.M.	2001/0050915	12/13/01	O'HARE, et al.	—	—	—
A.M.	6,453,354	09/17/02	JIANG, et al.	—	—	—
A.M.	2004/0158652	08/12/04	OBARA	—	—	—
A.M.	2002/0194428	12/19/02	GREEN	—	—	—
A.M.	2002/0004890	01/10/02	OFEK, et al.	—	—	—
EX/						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
A.M.	08-137772	05/31/96	JAPAN	—	—	Abstract	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

12/16/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

H-1215

10748,886

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICANT

N. KASAKO, et al

(Use several sheets if necessary)

FILING DATE

December 30, 2003

GROUP

2187

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AM</i>	6 2 4 7 0 9 9	6/01	Skazinski et al	—	—	—
<i>AM</i>	6 6 9 4 3 1 7	2/04	Stakutis et al	—	—	—
<i>AM</i>	6 2 5 3 2 9 5	6/01	Beal et al	—	—	—
<i>AM</i>	6 4 8 4 1 8 7	11/02	Kern et al	—	—	—
<i>AM</i>	6 5 2 6 4 1 9	2/03	Burton et al	—	—	—
<i>AM</i>	6 6 5 8 5 4 0	12/03	Sicola et al	—	—	—

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
<i>AM</i> 0 8 6 9 4 3 8	10/98	European	—	—	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

*H. M. J.*

DATE CONSIDERED

12/16/05

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**H-1215**

SERIAL NO.

**10/748,886**

APPLICANT

**N. KASAKO, et al**

FILING DATE

**December 30, 2003**

GROUP

**2137**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AK</i>	2 0 0 4	0	2	6	7	8	2	9	12/04	Hirawaka et al	—	—	—
<i>AK</i>	2 0 0 3	0	1	8	5	0	6	4	10/03	Hirakawa et al	—	—	—
<i>AK</i>	2 0 0 3	0	2	2	1	0	7	7	6/04	Ohno et al	—	—	—
<i>AK</i>	2 0 0 4	0	1	2	3	0	2	6	6/04	Kaneko	—	—	—
<i>AK</i>	2 0 0 4	0	1	9	3	7	9	5	9/04	Takeda et al	—	—	—
<i>AK</i>	2 0 0 4	0	0	7	8	5	3	5	4/04	Suzuki et al	—	—	—

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

--	--

EXAMINER

*H. Mori*

DATE CONSIDERED

*12/16/05*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**H-1215**

SERIAL NO.

**10/748,886**

APPLICANT

**N. KASAKO, et al**

FILING DATE

**December 30, 2003**

GROUP

**2187**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AM</i>	2 0 0 2	0	0	7	8	2	9	6	6/02	Nakamura et al	—	—	—
<i>AM</i>	2 0 0 3	0	0	7	8	9	0	3	4/03	Kimura et al	—	—	—
<i>AM</i>		5	5	9	6	7	0	6	1/97	Shimazaki et al	—	—	—
<i>AM</i>		5	6	9	2	1	5	5	11/97	Lincoln et al	—	—	—

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

*AM*

DATE CONSIDERED

*12/16/05*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**H-1215**

SERIAL NO.

**10/748,886**

APPLICANT

**N. KASAKO, et al**

FILING DATE

**December 30, 2003**

GROUP

**2187**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AM</i>	2 0 0 3	0	9	3	5	9	7		5/03	Marshak et al	—	—	—
<i>AM</i>	2 0 0 3	1	2	6	1	0	7		7/03	Yamagami	—	—	—
<i>AM</i>	2 0 0 4	0	7	3	8	3	1		4/04	Castel	—	—	—

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

*ht Moji*

DATE CONSIDERED

*12/16/05*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

H-1215

10/748,886

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

N. KASAKO, et al

FILING DATE

December 30, 2003

GROUP

2187

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HM</i>	6 0 9 8 1 2 9	8/00	Fukuzawa et al	—	—	—
<i>HM</i>	5 1 5 5 8 4 5	10/92	Beal et al	—	—	—
<i>HM</i>	5 6 6 4 0 9 6	09/97	Ichinomiya et al	—	—	—
<i>HM</i>	6 2 0 9 0 0 2	03/01	Gagne et al	—	—	—
<i>HM</i>	6 5 9 1 3 5 1	07/03	Urabe, et al	—	—	—
<i>HM</i>	6 8 1 3 6 9 8	11/04	Gallo et al	—	—	—

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*H. Moji*

DATE CONSIDERED

*12/16/05*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of  
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**H-1215**

SERIAL NO.

**10/748,886**

APPLICANT

**N. KASAKO, et al**

FILING DATE

**December 30, 2003**

GROUP

**2187**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HY</i>	2 0 0 1	0	0	5	0	9	1	5	12/01	O'Hare et al	—	—	—
<i>HY</i>	2 0 0 3	0	1	6	3	5	5	3	08/03	Kitamura et al	—	—	—
<i>HY</i>	2 0 0 3	0	2	2	9	7	6	4	12/03	Ohno et al	—	—	—
<i>HY</i>	2 0 0 5	0	0	3	3	8	2	8	02/05	Watanabe	—	—	—

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER

*H. Morigi*

DATE CONSIDERED

*12/16/05*

**EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

(Form PTO-1449 [6-4])



**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

H-1215

SERIAL NO.

10/748,886

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICANT

N. KASAKO, et al

(Use several sheets if necessary)

FILING DATE

December 30, 2003

GROUP

2187

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LM	6 2 3 7 0 0 8	05/01	Beal et al	—	—	—
LM	6 5 2 9 9 4 4	3/03	LeCrone	—	—	—
LM	6 6 3 1 4 7 7	10/03	LeCrone et al	—	—	—
LM	6 6 8 7 7 1 8	2/04	Gagne et al	—	—	—
LM	2 0 0 5 1 1 1 1	03/03	Nakano et al	—	—	—
LM	2 0 0 6 0 5 0 7	03/05	Kasako et al	—	—	—

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

LM

DATE CONSIDERED

12/16/05

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of  
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

H-1215

10/748,886

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

N. KASAKO, et al

FILING DATE

December 30, 2003

GROUP

2187



**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	6 5 3 9 4 6 2	03/03	Mikkelsen et al	—	—	—
AM	2 0 0 2	08/02	Grover	—	—	—
AM	2 0 0 3	05/03	Marshak et al	—	—	—
AM	2 0 0 2	8/02	Horn et al	—	—	—
AM	2 0 0 2	10/02	Uratani et al	—	—	—

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AM	"Symmetric 3000 and 5000 Enterprise Storage Systems Product Description Guide", 1999, EMC Corporation, p. 19; accessed at <a href="http://www.emc.com/products_pdgs/pdg/symm_3_pdg.pdg">http://www.emc.com/products_pdgs/pdg/symm_3_pdg.pdg</a> .
AM	"Microsoft Press Computer Dictionary", 1997, Microsoft Press, 3 <sup>rd</sup> Edition, definition of cache.

EXAMINER

H. Mogi

DATE CONSIDERED

12/16/05

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**